

GIS Report and Idaho Geospatial Data Infrastructure

December 5, 2000

State of Idaho
Information Technology
Resource Management Council



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Agenda

<ul style="list-style-type: none"> • WGA GI Council <ul style="list-style-type: none"> • 2 policies • NASA grant 	<ul style="list-style-type: none"> • IGIAAC • IAC executive board • Surveyor's class • Telecom map • Executive order
<ul style="list-style-type: none"> ❖ IGDI <ul style="list-style-type: none"> • Coordination • Clearinghouse • Technical support 	

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Western Governors' Association

- Special issues facing the west in terms of land use, open space, and resource allocation.
- March 2000 – Cadastral Data Policy Forum
 - importance of cadastral information supporting these quality of life issues
- November 2000 – Wildfire issue and needs for disaster preparedness and response

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Idaho Delegation to the Cadastral Data Policy Forum

- Federal Agencies - **BLM, BOR and USGS**
- State Agencies - **IDL, IDWR and IDEQ**
- Local Governments - **Madison County, Kootenai County, City of Rexburg, Ada County**
- Tribal Governments - **Sho-Ban Tribe, Nez Perce Tribe and Coeur d'Alene Tribe**
- Private Sector - **Potlatch Corporation**

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Results of Cadastral Forum

- Promote the concept of a common cadastral survey data layer across political boundaries
- Support the utilization of a shared, open standard
- Target system
 - Vertically integrated
 - Seamless across the west
- Issues to address:
 - Funding, coordination, communication, standards, education and outreach

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Policy resolution 00-005

Public Lands Survey System and Ownership Database Policy

Adopted June 13, 2000

- BLM - \$1.8 million
- State plan - January 2001

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Proposed Policy Resolution 00 - WC

December 1, 2000
San Diego, California

- Tab 20 ITRMC Book – yellow cover
- Utility and Use of GIS and Remote Sensing Technologies To Support Disaster Services Role at the Local, State and Federal Level

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NASA and WGA MOU

- Lead by Governor Geringer, signed by Governor Kempthorne 8/00
- Exploit NASA earth science knowledge and technology in decision making
- Increase NASA understanding of western policy issues and its role and responsibilities

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NASA – State, Local and Tribal Initiative

Regional workshops

- *From science to application...*
... *Innovation through partnership*
- Academic, NASA, commercial sector, operational agencies to support SLT government users

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NASA-funded Workshop

Applications of Geospatial Information

Sacramento September 10-13, 2000

Senator Hal Bunderson
Charlie Rountree, ITD
Tony Morse, IDWR
Willard Wall, IDEQ
Mike McDowell, Kootenai County Assessor
Jack Bell, Nez Perce Tribe
Frank Roberts, Coeur d'Alene Tribe
Tracy Fuller, NMD, USGS
Liza Fox, ITRMC Project Team

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NASA and WGA MOU

Idaho has received funds to advance remote-sensing /satellite imagery use in the West

Work with our state universities to offer workshops statewide for local government officials, K-12 teachers, and others

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Idaho Geospatial Data Infrastructure

- Framework
- Clearinghouse
- Stakeholders
- Education, training and support
- Coordination

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Framework - IGDI

- The State of Idaho will collaboratively develop a set of commonly used statewide GIS databases needed by multiple agencies to build the Idaho Geospatial Data Infrastructure
- Identify framework data
- Set-up Technical Working Groups (TWG)
- Currently 8 TWG's organized: Cadastral, Ground Transportation, Hydrography, Ortho-imagery, Geodetic Control, Elevation, Boundaries, and Land Use / Land Cover

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Idaho Geospatial Data Infrastructure

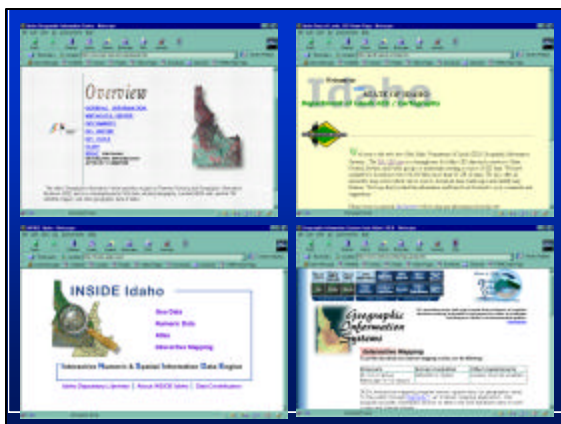
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Clearinghouse - IGDI

- Make the application of geospatial information technologies more efficient by eliminating duplication of data production and distribution through cooperation, standardization and communication
- Memorandum of Understanding (tab 20 - gray sheet)
- INSIDE Idaho
- Currently, the MOU has been reviewed by our Deputy AG, several federal agencies (USFS, BLM, BOR, USGS), IDL and two tribal governments

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Clearinghouse - IGDI

What other states have done
Idaho's direction - Task Force

- Virtual and traditional
- Common standards
- Unified interface
- Federally-compliant
- Robust technology
- "County in a box"
- Support higher education

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Clearinghouse - IGDI

Task Force Recommendations

- **INSIDE Idaho** - good start
- Must be accessible by the public
- Must have an archival component
- Not maintained by one agency

9/26/00 - Higher Education IT Committee

- Set up a committee to make recommendations
- Schedule a meeting with University of Idaho

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Idaho Geospatial Data Infrastructure

- Framework
- Clearinghouse
- **Stakeholders**
- Education, training and support
- Coordination

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Stakeholders - IGDI

- Better decision-making
- Partnerships and resource-sharing
- Productivity gains
- Cost Avoidance
- Catalyst for technology advancement
- Quality of life

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Idaho Geospatial Data Infrastructure

- Framework
- Clearinghouse
- Stakeholders
- **Education, training and support**
- Coordination

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Education/Training/Support - IGDI

- Training facilities
- Online education
- Internships
- Certified trainers
- Human resources to define GIS jobs
- Role of the private sector

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Idaho Geospatial Data Infrastructure

- Framework
- Clearinghouse
- Stakeholders
- Education, training and support
- **Coordination**

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Coordination - IGDI

The cooperation, collaboration, and coordination of many organizations comprise the heart of the IGDI

Generally:

- foster partnerships
- implement incentives to encourage widespread participation
- mediating and resolving conflict

Specifically:

- create business plans for framework development
- develop agreements, encourage participation
- provide outreach and education

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Idaho's Geospatial Technology Committee GTC



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Coordination - IGDI

The executive committee provides a forum for interagency coordination and cooperation. It has 3 subcommittees

Strategic Plans and Policies

- formulate policies to guide the operation

Framework Management

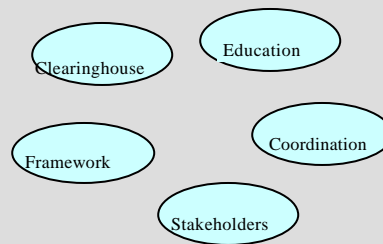
- work with clearinghouse and TWG

Education and Outreach

- outreach and liaison with federal and neighboring states

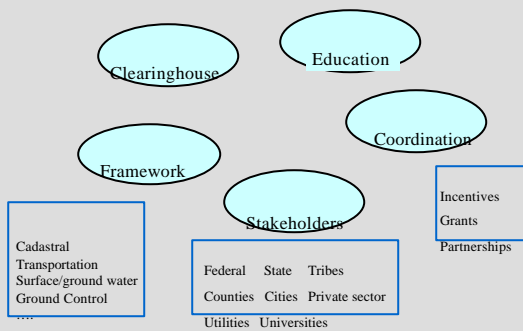
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Idaho Geospatial Data Infrastructure



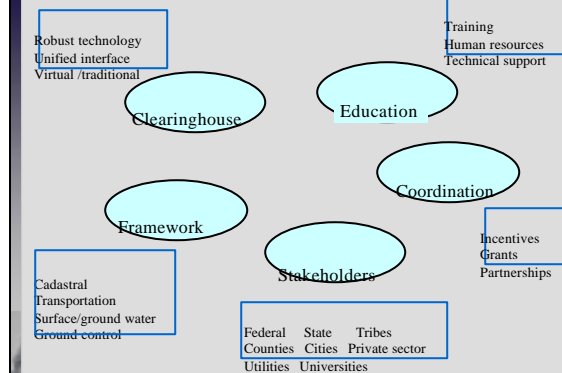
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Idaho Geospatial Data Infrastructure

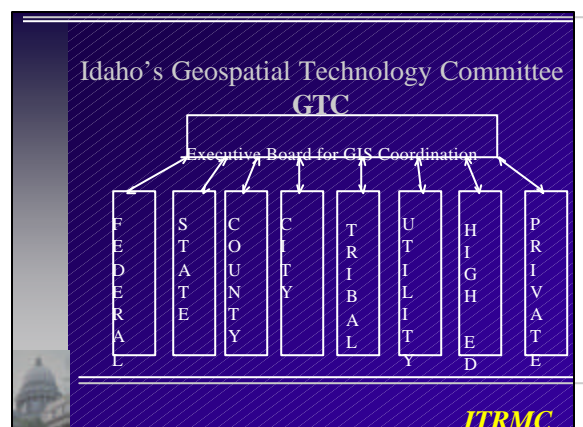
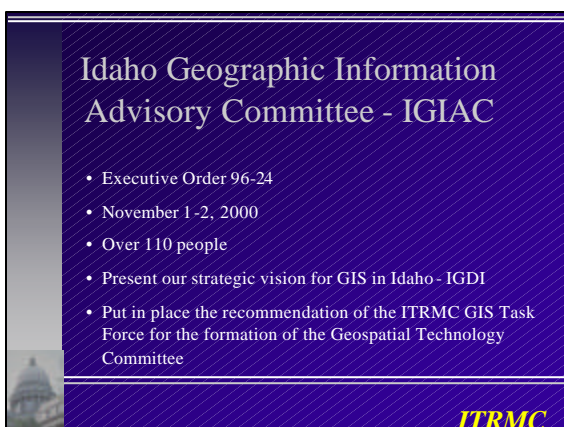
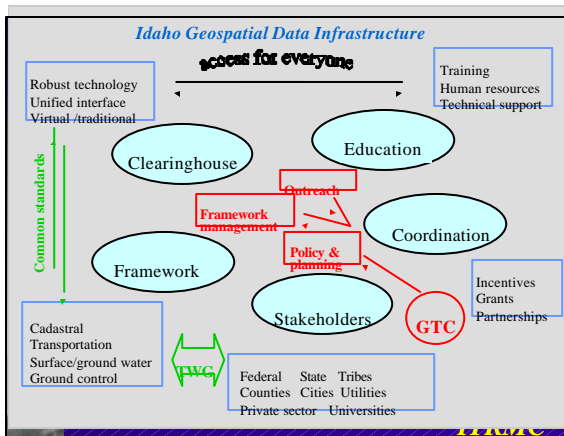
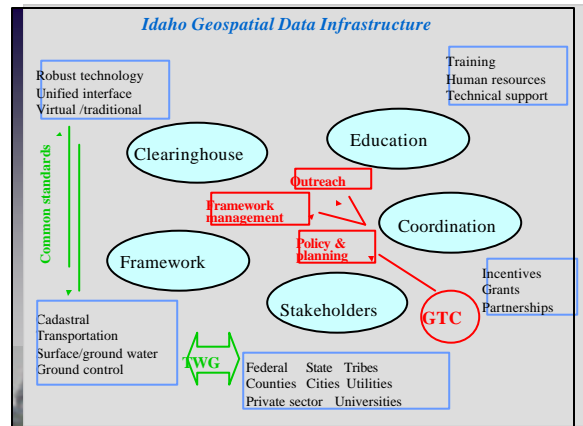
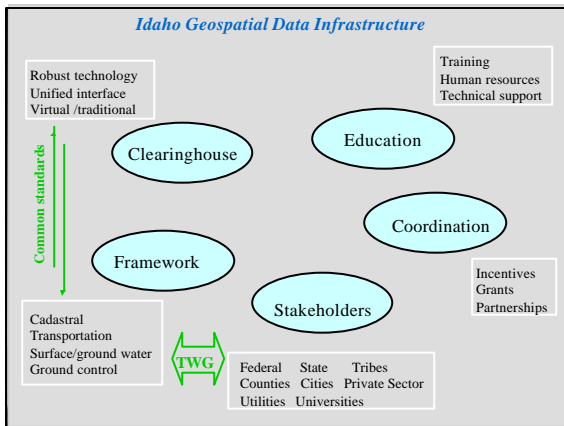


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Idaho Association of Counties Executive Board November 30, 2000

Elected official, GIS managers from counties in eastern and northern Idaho

Ask for IAC help

- Re-convene their IT Task Force
- Workflow study in 3 counties
- Representation on the GTC

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Idaho Society for Professional Land Surveyors

- Sponsored a short-course on GIS concepts
- Integration of GPS / GIS and land surveying
- Over 35 licensed surveyors attended

Important

- National Council of Examiners for Engineering and Surveying (NCEES) Model Law For Surveying

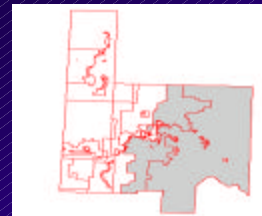
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Current Projects

- Design the workflow study
- Cadastral plan for BLM \$
- Bechtel/Idaho/Utah grant to NSF
- NASA remote sensing classes
- Redistricting
- Intent to purchase Spot 10-meter panchromatic image of the state (satellite image)
- Telecom Map

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Telecom Map for Idaho



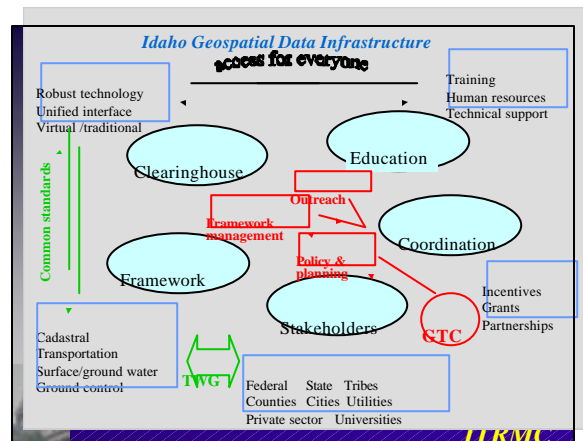
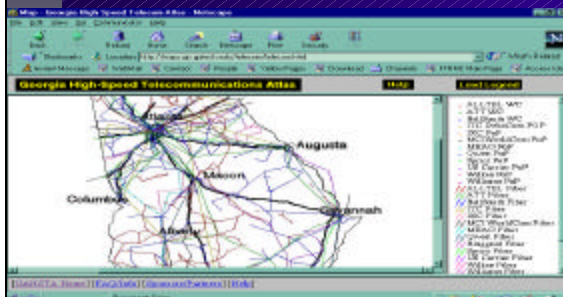
Bonner County


- DITCS - J. Roche
- Tax Commission
- F.C.C.

Georgia and Wyoming

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Georgia High-Speed Telecommunications Atlas





Next Steps

- Draft the Executive Order – 96/24 expired on November 21, 2000
 - Technical support
 - Coordination
 - Clearinghouse
- Document and present Idaho's strategic GIS vision

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